Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 169 – Fundamentals of Sustainable Engineering Design**

Theory and practice of sustainable engineering. Awareness and risk analysis of potential impacts on society and the environment over the lifecycle of engineering projects. Engineering design process, project lifecycle, and professional responsibility. Team-based design project.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

**TO APPLY FOR THIS POSITION:** Please complete online TA application form

**APPLICATION DEADLINE:** April 30, 2023

*Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.*
Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 171 – Engineering Drawing and CAD/CAM
Orthographic projections, axonometric and perspective projections, dimensioning and tolerances, computer-aided design and modelling, introduction to rapid prototyping, team-based design project.

Start Date: January 8, 2024
End Date: April 26, 2024

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(Ura or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 172 – Engineering Analysis I
Functions, limits, differentiation, applications of derivatives, integration, applications of definite integrals.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 173 – Engineering Analysis II**
Integrals and transcendental functions, techniques of integration, applications of integration, polar coordinates, infinite sequences and series, vectors and the geometry of space, and partial derivatives.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 177 – Engineering Communication and Instrumentation**

Computer systems, software development, operating systems, compilers, programming in a high-level language, selection and loop structures, functions, arrays, pointers, files, data acquisition, solving engineering problems with computer programs.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 178 – Electricity, Magnetism and Waves**
Electric fields and forces, electric potential, capacitance, DC circuits, magnetic fields and forces, Faraday's law, inductance, waves, light, and optics.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 180 – STATICS**

- Force vectors, Cartesian coordinate system, free body diagram, dot and cross products, forces equilibrium of particles, force and moment equilibrium of rigid bodies, analysis of trusses, frames and machines, friction, wedges, pulleys, and belts.
- Applications of linear algebra in statics.

**Start Date:** January 8, 2024

**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 181 – Dynamics**

Kinematics of particles, curvilinear motion, normal-tangential, polar, cylindrical coordinates, force and acceleration, equation of motions, work and energy, conservation of energy. Introduction to rigid body dynamics.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 183 – Matter and Energy II**
Chemical equilibrium, reactions in gas phase and in aqueous solutions, acid-base and redox reactions, kinetics of chemical reactions, thermochemistry, electrochemistry, and organic chemistry.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial or lab sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering

POSITIONS – TEACHING ASSISTANT MARKER
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 201 – TECHNICAL COMMUNICATION**

Written and oral communication in engineering. Report preparation, business correspondence, and oral presentation of technical material

**Start Date:** January 8, 2024

**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 253 – FLUID MECHANICS I
Fluid properties and fluid statics; principles of conservation of mass, momentum, and energy; laminar and turbulent flow; dimensional analysis; pipe flow; valves and fittings, flow measurements.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial or lab sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 255 – ELECTRICAL CIRCUITS AND POWER
Circuit analysis techniques for steady-state AC and DC circuits containing independent and dependent voltage and current sources, resistance, capacitance and inductance. DC maximum power transfer. AC power including real, reactive, apparent and complex power and power factor. AC power analysis using phasors. Three-phase AC power systems.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial or lab sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 258 – Applications of Engineering Design**
Principles of engineering design, applied to a team-based design project. Use of probability, programming, decision making, economic principles, systems theory, and technical communication in design projects.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial or lab sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 260 – Mechanics of Materials I**  

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 261 – Theory of Structures

Starting Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – LAB TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 262 – Digital Logic Design  
Logic design methods, hardware description language (HDL), number representation and arithmetic circuits, combinational circuits, flip-flops, registers, programmable logic devices (FPGAs), counters, finite state machines, digital system designs.

Start Date: January 8, 2024  
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 270 – Signals and Communication Systems  
Fourier series and Fourier transform analysis of signals; sampling theorem; amplitude; phase; and frequency modulation; baseband digital transmission; pulse code modulation and quantization; Nyquist pulses; inter-symbol interference.

Start Date: January 8, 2024  
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 278 – Electric and Magnetic Fields**
Review of vector calculus and coordinate systems; electrostatic fields; electric dipoles and polarization; magnetostatics fields; magnetic dipoles and magnetization; boundary conditions; electromagnetic induction; Maxwell's equations.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

APSC 504 – Solar Cell Engineering  
Climate change and renewable energy sources, operational principles of solar cells and review of leading technologies, deposition and characterization tools for thin film layers, environmental and economic considerations of solar energy, and latest developments in academic research.

Start Date: January 8, 2024  
End Date: April 26, 2024

**Description of Duties:** The successful candidate will conduct lab sections under the supervision of the course instructor.

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**APSC 419/519 – System Identification**
Identification of dynamical systems by considering input signals, sensor measurements, noise, and disturbance, as well as using parameter estimation, model selection and validation, and practical considerations

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 305 – Engineering Economic Analysis  
Cost concepts, accounting, time value of money; depreciation and taxes; public sector projects; economic evaluation techniques; handling uncertainty; sustainability in economic evaluation; societal context; infrastructure management needs; project impacts, mitigating risk. Case studies

Start Date: January 8, 2024  
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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APPLICATION DEADLINE: April 30, 2023

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political Policy #HR117 belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.
Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 315 – Systems and Control
Dynamic systems, linear systems, control concepts, block diagrams, transient response, root locus, frequency response, Bode and Nyquist plots, and controller design.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial or lab sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 320 – Electromechanical Devices**

DC and AC magnetic circuits, transformers, DC machines, principles of electromagnetic devices, synchronous machines, induction motors, and brushless DC motors

**Start Date:** January 8, 2024  
**End Date:** April 6, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 330 – Reliability and Risk Analysis for Civil Engineering**


**Start Date:** January 8, 2024  
**End Date:** April 6, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 331 – Infrastructure Management I
Introduction to asset management, municipal infrastructure systems, performance and prioritization measures, data management, life cycle costing, decision support tools, integrated approach.

Start Date: January 8, 2024
End Date: April 6, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS –TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 332 – Surveying and GIS Analysis
Theory and application methods for measuring and representing objects of interest on, below, and over the earth's surface, and for analyzing data to meet engineering design and operational objectives driven by socio-economic or environmental concerns of natural and engineered systems.

Start Date: January 8, 2024
End Date: April 6, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 335 – Transportation Engineering**
Analysis, planning, design, and operation of transportation systems, including: governance, economics, land use, transport modes, users, roads, freeways, end-of-trip facilities, public transit, and intersection controls.

**Start Date:** January 8, 2024
**End Date:** April 6, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 340 – Soil Mechanics**

Geological processes, soil classification, principle of effective stress, seepage analysis, shear strength, soil compaction, consolidation, and slope stability analysis.

**Start Date:** January 8, 2024  
**End Date:** April 6, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS — TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 352 — Microelectronics II**  
Building blocks of integrated-circuit amplifiers; differential multistage amplifiers; frequency response; feedback; output stages and power amplifiers; and operational amplifier circuitry  

**Start Date:** January 8, 2024  
**End Date:** April 6, 2024  

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.  

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.  

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT MARKER
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 362 – Digital Signal Processing
Discrete-time signals and systems, difference equations, sampling and aliasing, decimation and interpolation, quantization errors, z-transform, discrete Fourier transform, fast Fourier transform, implementation of discrete-time systems, finite and infinite impulse response filter design

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 375 – Energy System Design
Primary energy sources and carriers. Energy conversion. Analysis of thermal systems. Reacting systems and combustion. Thermal systems design including steam power plants, gas turbines, internal combustion engines, and refrigeration systems.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 378 – Electromagnetics for Engineers**
Maxwell's equations, time harmonic fields, plane waves in media, polarization, Fresnel equations, transmission lines, scattering parameters, the Smith Chart, and waveguides.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 380 – Design of Machine Elements**

Product design methodology; static and fatigue failure theory; design/selection of components including shafts, springs, bearings, gears, brakes, and clutches; design of bolted joints, power screws, and welds; design evaluation and optimization.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 385 – Heat Transfer Applications**
Steady and transient conduction heat transfer, radiation heat transfer, convection heat transfer, introduction to heat exchanger.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 402 – Biotechnology: Fundamentals and Applications
Basics of biotechnology, DNA and RNA technologies, nanobiotechnology, medical biotechnology, and ethics in biotechnology.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct tutorial or lab or marking sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 407 – Inclusive Design**  
Design and prototyping of devices from different perspectives of inclusion, with an emphasis on disability, chronic illness, and population diversity; analysis of existing technologies and practices, including built environments, portable devices, user interfaces, sports, and occupational task and process design.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 408 – Energy System Transition
GHG emission reductions, examination of the sources and use of energy, practical potential transition strategies.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 410 – Technology Innovation for Engineers**
An introduction to the concept of Innovation, with particular focus on technological innovation, and its impact on economic, social, health, legal, and cultural aspects of society. Technological innovations are explored using creative, design and entrepreneurial thinking. Causes for acceptance or rejection of technological innovations are examined using behavioural economic theories.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 411 – Technology Innovation for Engineers
Engineering and innovation, business models, customer development, intellectual property, product development, customer validation, hypothesis testing, company positioning

Start Date: January 8, 2024
End Date: April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 413 – Law and Ethics for Engineers**


**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 414 and APSC 514 – Precast Concrete Structures  
Means and methods of precast concrete construction; advanced design of precast concrete structures; analysis of experimental data of precast concrete components; innovations in precast concrete construction.

Start Date: January 8, 2024  
End Date: April 26, 2024  

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 416– CAD/CAM/CAE**
CNC machining, Rapid prototyping, G-code, Computer Aided: Design, Manufacturing and Engineering, parametric design and analysis for optimization.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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**TO APPLY FOR THIS POSITION:** Please complete online TA application form

**APPLICATION DEADLINE:** April 30, 2023

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 417 – Pipeline Integrity Management**
Pipeline regulation codes, pipeline integrity management, pipeline operations, materials and fabrication, examination techniques, corrosion protection, and geohazards evaluation.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 420—Fundamentals of Healthy Buildings**
Building biology, bio-house design, health effects of building materials, construction techniques, temperature, light, ventilation, plumbing, ergonomics, and psychological factors.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 423– Wearable Devices**  
Design and prototyping including textiles, hardware, software, data storage, miniaturization, wireless communication, power, environment, and fabrication. Analysis of wearable technologies and challenges of mass adoption.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS –TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 424– Smart Cities
Smart city concept, smart city standardization, smart grid and energy management, Internet of Things and cloud computing for smart city, smart city lighting, intelligent transportation, technology enhanced infrastructure, water solutions, smart buildings and technology, data analytics in smart cities.

Start Date: January 8, 2024  
End Date: April 26, 2024

Description of Duties:  The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility:  To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 425– Design of Steel and Timber Structures
Introduction to limit states design of steel and timber structures: material properties, design of tension and compression members, beams, columns, and connections.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 429– Rehabilitation of Concrete Structures**
Concrete damage and deterioration mechanisms, assessment and instrumentation; repair and strengthening materials and techniques; design of structural strengthening systems

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 435– Transportation Systems Engineering**
Analysis, design, and operation of transport systems that support our urban and rural communities, including: traffic studies and field surveys; capacity and level of service analysis; simulation and optimization of networks; transportation demand management; and CAD optimization of horizontal and vertical corridor alignments.

**Start Date:** January 8, 2024
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 438—Rock Mechanics and Rock Engineering**


**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 439– Advanced Manufacturing

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 441 – Advanced Water Treatment Process**

Theory and design of advanced drinking water treatment processes used for challenging source water conditions including advanced oxidation, membrane filtration, ultraviolet disinfection, and adsorption processes. Discussion of removal of emerging contaminants (e.g. pharmaceuticals), regulated and unregulated disinfection by-products, and current issues in potable water treatment and quality.

**Start Date:** January 8, 2024  
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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 445 – Design of Water and Wastewater Conveyance Systems
Identification and evaluation of design solutions for providing a community with adequate water supply, collecting and disposing of stormwater and sewage, and managing excess stormwater flow.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 449 – Aircraft Structures**

Structural components of aircraft; design of aircraft wing and fuselage structures; bending and buckling of thin plates; moments of inertia for complex shapes; stress and deflection analysis; fatigue, safe life, damage tolerant design.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 453 – Internet of Things**  
Sensing, actuation, sampling, analog-to-digital and digital-to-analog conversion, voice over IP, video codecs, audio codecs, multimedia communication protocols for IoT, wireless communication protocols for IoT.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 460 – Tools and Applications in Environmental and Engineering Microbiology
Fundamentals of environmental microbiology and DNA sequencing technologies including microbial detection with molecular methods, bioinformatics and computational analysis.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

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Faculty of Applied Science
School of Engineering
POSITIONS –TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 467 – Real-Time and Embedded System Design
Multi-tasking, interrupt-driven systems, RTOSs and programming environments, task scheduling, schedulability analysis, inter-process communication and synchronization, resource management, performance measurement.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 472 and 572 – Fibre Optics and Photonics**
Introduction to fibre optic transmission, single-mode and multimode fibre optics, dispersion and absorption design criteria, semiconductor diode lasers, LEDs, modulators, pn and p-i-n receivers, point-to-point and network implementations of fibre optic networks and integrated photonic systems.

Start Date: January 8, 2024
End Date: April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 474 – Analog Integrated Circuits**

Design and analysis of analog integrated circuits with emphasis on CMOS technology. MOS device physics and models, processing technology and layout, differential amplifiers, current mirrors, noise, feedback, opamp design and compensation, two-stage CMOS opamp design, switched-capacitor filters.

**Start Date:** January 8, 2024  
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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 475 – Materials Selection and Design**
Analysis, design, and operation of transport systems that support our urban and rural communities, including: traffic studies and field surveys; capacity and level of service analysis; simulation and optimization of networks; transportation demand management; and CAD optimization of horizontal and vertical corridor alignment

**Start Date:** January 8, 2024  
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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 478 – Alternate Energy Systems
Description of alternative sources of energy, electric vehicles, thermosolar energy, generation of electricity by photovoltaic effect, wind power energy, hydropower, geothermal, nuclear power, power plants with fuel cells, aspects of hydrogen as fuels, fuel from biomass, energy storage parameters, integration of alternative sources of energy.

Start Date: January 8, 2024
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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 479 – Measurement Principles in Thermal-Fluids**


**Start Date:** January 8, 2024  
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 485 – Heating, Ventilating, and Air Conditioning**
Properties of moist air, air conditioning systems, heat transmission in building systems, heating and cooling load, refrigeration, pumps and piping design, fans and building air distribution.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 487 – Digital Control**

Digital control theory and a brief review of classical control and its relationship to discrete systems. Discrete time systems, sampling, z-transform, pulse transfer function, stability in z-domain, pole-placement control design and state estimation, discrete linear quadratic optimal control, introduction to system identification and Kalman filter.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS –TEACHING ASSISTANT (UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 492 – Finite Element Methods**


Start Date: January 8, 2024
End Date: April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 493 – Introduction to Aerodynamics and Aircraft Design**

Aircraft conceptual design: methods for estimating aircraft weight, fuel load, lift, thrust, airfoil and wing specification, engine selection and sizing, and structural loads. Introductory aerodynamics of airfoils and wings.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 494/535 – Autonomous Vehicle Technology**

Autonomous navigation: perception, localization and mapping, motion planning, and motion control; and applications to unmanned aerial vehicles (UAVs), automated vehicles and self-driving cars.

Start Date: January 8, 2024
End Date: April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science  
School of Engineering  
POSITIONS –TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 495 – Tissue Engineering**

Fundamentals of cell biology; extracellular matrix, receptors, and cell-cell and cell-matrix interactions at both the theoretical and experimental levels; effects of physical, chemical, and electrical stimuli on cell function; tissue structure and function and the clinical need for tissue repair; scaffold design and processing for tissue engineering.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 497 – Combustion Processes**
Combustion thermochemistry, fundamentals of mass transfer, chemical kinetics and combustion related chemical mechanisms, analysis of coupled thermal and chemical systems, laminar and turbulent flames, premixed and non-premixed flames, and combustion instabilities (e.g., thermoacoustics).

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergraduate and/or Graduate Teaching Assistant position for the following course:

**ENGR 501 – Deep and Reinforcement Learning for Engineers**


**Start Date:** January 8, 2024
**End Date:** April 26, 2024

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**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 502 – Technical Communication for Engineering Research**
Strategies for clear, effective, and ethical technical communication (both written and oral). Tools and formatting for graphics, technical reports, proposals, journal papers, theses. Pass/Fail.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 511 – Technology Entrepreneurship for Engineers**
Engineering and innovation, business models, customer development, intellectual property, product development, customer validation, hypothesis testing, company positioning.

**Start Date:** January 8, 2024  
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Faculty of Applied Science  
School of Engineering  
POSITIONS –TEACHING ASSISTANT  
(UTA or GTA)  

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 516 – Advanced Manufacturing**  
Product manufacturing, powder metallurgy, Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM), Computer Numeric Control (CNC) tools, process planning, micro and nano manufacturing, optical and electron measurement techniques.

**Start Date:** January 8, 2024  
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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 522 – Advanced Design of Steel Structures**

Behaviour and design of steel structures, members, and cross sections in accordance with limit states principles. Behaviour and design of braced frames and moment resisting frames. Second-order analysis of frames. Load path concepts for detailing connections.

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 523 – Seismic Design and Buildings**

Review of structural dynamics and response spectra; seismic design of steel and masonry buildings; seismic design of reinforced concrete structures; design using simplified code procedures and computer tools.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 532 – Project Planning and Control**

Project planning and alignment, project control standards and deliverables, project selection process, project definition rating index, and risk management. Analytical hierarchical processes, and Monte-Carlo simulation in scheduling and costing.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS –TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 446/546 – Biological Treatment Process
Theory and practice of biological wastewater treatment including aerobic and anaerobic processes in suspended and attached growth reactors, treatment models, advanced treatment, sludge handling, and treatment plant design.

Start Date: January 8, 2024
End Date: April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 563 – Advanced Polymer Science and Engineering**

Introduction to polymer science, polymer chain architecture and configuration, thermodynamics of polymer solutions, amorphous and crystalline states of polymers, rubber elasticity, networks and gels, polymer viscoelasticity and rheology, mechanical properties of polymers, multicomponent polymer systems, polymer processing and forming.

**Start Date:** January 8, 2024
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Faculty of Applied Science
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POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 571 – Radio Frequency Integrated Circuits**
Introduction to radio frequency systems, RF transceiver architectures, analysis of gain, noise figure and linearity, monolithic active and passive components, low noise amplifiers, mixers, oscillators, and power amplifiers.

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

ENGR 583 – Multiphase Flows
Fundamentals of liquid instabilities, breakup of liquid sheets, breakup of liquid jets, droplet dynamics, bubble dynamics, atomization and spray, single particle motion, boiling, and condensation.

Start Date: January 8, 2024
End Date: April 26, 2024

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Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**ENGR 598S – Topics in Engineering – POINT CLOUDS**
Topic: Point Cloud Applications in Civil Engineering
This course is restricted to students in one of these programs:
- MASC-O -OR-
- in one of these programs: PHD-O -OR-
- in one of these programs: MENG-O

Start Date: January 8, 2024
End Date: April 26, 2024

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

MANF 270 – Production Systems I

Introduction to production systems management and operations. Focus on the impact of operations in increasing productivity, reducing waste in manufacturing facilities.

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab sections under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

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The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**MANF 330 – Manufacturing Engineering Project I**

Project-based design and optimization of manufacturing processes (Casting, bulk deformation, sheet metal, polymer), metrology, measuring cutting forces in machining, CNC machining

- **Start Date:** January 8, 2024
- **End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

**Eligibility:** To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

**TO APPLY FOR THIS POSITION:** Please complete online TA application form

**APPLICATION DEADLINE:** April 30, 2023

_Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political Policy #HR117 belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person._
Faculty of Applied Science
School of Engineering
POSITIONS – TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**MANF 450 – Life Cycle Analysis and Sustainability**
Practical and theoretical applications of life cycle thinking in engineering projects, products, and processes. Understand international standards and methods in life cycle assessment (LCA), life cycle costing (LCC). Interpret and provide critical feedback on LCA/LCC studies and analyze claims on sustainability.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

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Faculty of Applied Science  
School of Engineering  
POSITIONS – TEACHING ASSISTANT  
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

**MANF 465 – Digital Enterprise**

Systems integration and data analytics for engineering processes in a digital enterprise with industrial automation systems, production and operation, information fusion, performance monitoring and learning, and software and simulation platforms for manufacturing applications.

**Start Date:** January 8, 2024  
**End Date:** April 26, 2024

**Description of Duties:** The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

**Wage for this position:** As per the BCGEU Collective Agreement UTA or GTA.

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Faculty of Applied Science
School of Engineering
POSITIONS –TEACHING ASSISTANT
(UTA or GTA)

The School of Engineering is inviting applicants to apply for an Undergrad and/or Graduate Teaching Assistant position for the following course:

MANF 486 – Mechatronic Systems Laboratory
Smart sensors and actuators, electro-pneumatic actuators, automated control systems, industrial communication, smart maintenance, object detection, industrial robotics, modelling and simulation of mechatronic systems. Hands-on training on mechatronic system trainers in a laboratory scale

Start Date: January 8, 2024
End Date: April 26, 2024

Description of Duties: The successful candidate will conduct lab or tutorial sections or marking under the supervision of the course instructor.

Wage for this position: As per the BCGEU Collective Agreement UTA or GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or graduate degree program at UBC Okanagan. Successful Candidates are required to be in Canada for the duration of the position. (Note: a full-time student is defined as having a minimum of 24 credits for the 2023 winter session).

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